

# XTP T USW 103

Long Distance Three Input XTP Switcher with Integrated XTP Transmitter



### DESCRIPTION

The **XTP T USW 103** is a three-input switcher for sending HDMI or RGBHV video, audio, control, and Ethernet up to 330 feet (100 m) over a single CAT 5-type cable. It is HDCP compliant, and supports 1080p/60 Deep Color and 1920x1200 signals. It digitizes incoming analog video for reliable display on a variety of output devices. The transmitter also allows Ethernet extension and insertion of bidirectional RS-232 and IR for LAN access and AV device control at remote locations. The XTP T USW 103 transmitter works with the XTP CrossPoint® System for signal distribution and long-distance transmission between remote endpoints.

### FEATURES

- Transmits HDMI or digitized analog video, audio, bidirectional RS-232 and IR, and Ethernet up to 330 feet (100 m) over a single CAT 5-type cable
- Two HDMI inputs and one VGA input
- Supports 1080p/60 Deep Color and 1920x1200 signals
- Auto-input switching
- Digital conversion of analog video formats
- Bidirectional RS-232 and IR insertion for AV device control
- Supported HDMI specification features include data rates up to 6.75Gbps, Deep Color up to 12-bit, 3D, and HD lossless audio formats
- HDCP compliant
- EDID Minder® automatically manages EDID communication between connected devices
- Key Minder® continuously verifies HDCP compliance for quick, reliable switching
- Ethernet extension
- Remote power capability
- Supports multiple embedded audio formats
- Selectable analog stereo audio input embedding
- Audio input gain and attenuation
- Supports DDC transmission
- LED indicators for signal presence, HDCP, and power
- RJ-45 signal and link status LED indicator for XTP port
- Compatible with all XTP integrated system products

### SPECIFICATIONS

VIDEO	
Resolution range	Up to 1080p (HDTV) or 1920x1200 (the highest resolution of the single link DVI standard) @ 60 Hz
Signal type	Single-link HDMI (or DVI-D*)
EDID and DDC	Supports Extended Display Identification Data (EDID) and Display Data Channel (DDC) data using DVI and HDMI standards. EDID and DDC signals are actively buffered.
HDCP	Compliant with High-bandwidth Digital Content Protection (HDCP) using DVI and HDMI 1.3 standards
Maximum data rate	6.75 Gbps (2.25 Gbps per color)
Standards	DVI 1.0, HDMI 1.3a, HDCP 1.1
VIDEO INPUT	
Number/signal type	1 analog RGBHV 2 single link HDMI (or DVI-D or DisplayPort*) input
INTERCONNECTION BETWEEN TRANSMITTER AND RECEIVER	
Connectors	1 female RJ-45 per unit for TP cable connecting the transmitter and receiver
Termination standards	TIA/EIA T568A or T568B
Signal transmission distance	330' (100 m) using CAT 5e/6 UTP or STP cable
AUDIO INPUT	
Number/signal type	1 analog stereo, unbalanced or 1 digital stereo, embedded from HDMI
Connectors	1 female 3.5 mm mini stereo jack 1 female HDMI type A (shared with video input)
Source formats	PCM, Dolby Digital 2/0, Dolby Digital 2/0 Surround, Dolby Digital 5.1, Dolby Digital EX, DTS Digital Surround 5.1, DTS-ES Matrix 6.1, DTS-ES Discrete 6.1
CONTROL/REMOTE - SWITCHER	
Serial control port	1 bidirectional RS-232: 1 rear panel 3.5 mm captive screw connector, 3 pole
Contact closure port	(1) 3.5 mm captive screw connector, 4 pole
CONTROL/REMOTE - EXTERNAL DEVICE (PASS-THROUGH, UNIDIRECTIONAL OR BIDIRECTIONAL)	
Serial control port input/output	RS-232 (±5 V) via (1) 3.5 mm, 5 pole captive screw connector (uses 3 poles) (connector is shared with IR control port)
Serial control port output/input	1 set of proprietary signals on a female RJ-45 jack
Baud rates	Up to 115200 baud
Ethernet pass-through port	1 female RJ-45 connector
Ethernet data rate	10/100Base-T, half/full duplex with autodetect
IR control port	(1) 3.5 mm, captive screw connector, 5 pole (connector is shared with RS-232 control port) TTL level (0 to 5 V) modulated infrared control from 30 kHz up to 40 kHz
GENERAL	
Power supply	External Input: 100-240 VAC, 50-60 Hz Output: 12 VDC, 1 A, 12 watts
NOTE: Each XTP switcher, transmitter, receiver can be powered either locally by an external power supply or remotely using an optional power inserter.	
Enclosure dimensions	1.0" H x 8.75" W x 6.0" D (half rack wide) (2.5 cm H x 22.2 cm W x 15.2 cm D) (Depth excludes connectors.)
NOTE: Specifications are subject to change without notice.	

For complete specifications, please go to [www.extron.com](http://www.extron.com)

MODEL	VERSION DESCRIPTION	PART #
XTP T USW 103	Three Input XTP Transmitter Switcher	60-1198-01



